

Slobodyan, 306-3222

CRF Errors Corrected by the STIC Systems Branch

CRF Processing Date: 2/18/99
Edited by: [Signature]
Verified by: [Signature] (STIC staff)

Serial Number: 09/068, S07A

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: **ENTERED**
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☒ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: 3, 5
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/068,507ADATE: 02/18/1999
TIME: 15:34:22

INPUT SET: S30728.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

- 1
2
3 (1) General Information:
4
5 (i) APPLICANT: EIJSINK, VINCENT G.H.
6 BRURBERG, MAY B.
7 NES, INGOLF F.
8
9 (ii) TITLE OF INVENTION: EXPRESSION SYSTEM IN MICROORGANISM AND
10 ITS USE FOR EXPRESSING HETEROLOGOUS AND HOMOLOGOUS
11 PROTEINS
12
13 (iii) NUMBER OF SEQUENCES: 12
14
15 (iv) CORRESPONDENCE ADDRESS:
16 (A) ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH, LLP
17 (B) STREET: PO BOX 747
18 (C) CITY: FALLS CHURCH
19 (D) STATE: VA
20 (E) COUNTRY: USA
21 (F) ZIP: 22040-0747
22
23 (v) COMPUTER READABLE FORM:
24 (A) MEDIUM TYPE: Floppy disk
25 (B) COMPUTER: IBM PC compatible
26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
27 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
28
29 (vi) CURRENT APPLICATION DATA:
30 (A) APPLICATION NUMBER:
31 (B) FILING DATE:
32 (C) CLASSIFICATION:
33
34 (viii) ATTORNEY/AGENT INFORMATION:
35 (A) NAME: MURPHY JR., GERLAD M.
36 (B) REGISTRATION NUMBER: 28,977
37 (C) REFERENCE/DOCKET NUMBER: 1380-0122P
38
39 (ix) TELECOMMUNICATION INFORMATION:
40 (A) TELEPHONE: 703-205-8000
41 (B) TELEFAX: 703-205-8050
42
43
44 (2) INFORMATION FOR SEQ ID NO:1:
45
46 (i) SEQUENCE CHARACTERISTICS:

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/068,507ADATE: 02/18/1999
TIME: 15:34:22

INPUT SET: S30728.raw

47 (A) LENGTH: 26 amino acids
48 (B) TYPE: amino acid
49 (C) STRANDEDNESS: single
50 (D) TOPOLOGY: linear
51
52 (ii) MOLECULE TYPE: peptide
53
54 (iii) HYPOTHETICAL: NO
55
56 (iv) ANTI-SENSE: NO
57
58 (v) FRAGMENT TYPE: C-terminal
59
60 (vi) ORIGINAL SOURCE:
61 (A) ORGANISM: Lactobacillus platarum
62 (B) STRAIN: C11
63
64
65
66 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
67
68 Lys Ser Ser Ala Tyr Ser Leu Gln Met Gly Ala Thr Ala Ile Lys Gln
69 1 5 10 15
70
71 Val Lys Lys Leu Phe Lys Lys Trp Gly Trp
72 20 25
73
74
75 (2) INFORMATION FOR SEQ ID NO:2:
76
77 (i) SEQUENCE CHARACTERISTICS:
78 (A) LENGTH: 114 base pairs
79 (B) TYPE: nucleic acid
80 (C) STRANDEDNESS: single
81 (D) TOPOLOGY: linear
82
83 (ii) MOLECULE TYPE: DNA (genomic)
84
85
86 (ix) FEATURE:
87 (A) NAME/KEY: CDS
88 (B) LOCATION: 1..114
89
90
91 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
92
93 ATG ATG ATA TTT AAA AAA CTT TCA GAA AAA GAA TTG CAA AAA ATA AAC 48
94 Met Met Ile Phe Lys Lys Leu Ser Glu Lys Glu Leu Gln Lys Ile Asn
95 1 5 10 15
96
97 GGT GGT ATG GCA GGA AAT AGT TCT AAT TTT ATT CAT AAG ATT AAA CAA 96
98 Gly Gly Met Ala Gly Asn Ser Ser Asn Phe Ile His Lys Ile Lys Gln
99 20 25 30

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/068,507ADATE: 02/18/1999
TIME: 15:34:23

INPUT SET: S30728.raw

100
101 ATT TTT ACC CAT CGT TAA 114
102 Ile Phe Thr His Arg *
103 35
104
105
106 (2) INFORMATION FOR SEQ ID NO:3:
107
108 (i) SEQUENCE CHARACTERISTICS:
109 (A) LENGTH: 37 amino acids
110 (B) TYPE: amino acid
111 (D) TOPOLOGY: linear
112
113 (ii) MOLECULE TYPE: peptide
114
115 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
116
117 Met Met Ile Phe Lys Lys Leu Ser Glu Lys Glu Leu Gln Lys Ile Asn
118 1 5 10 15
119
120 Gly Gly Met Ala Gly Asn Ser Ser Asn Phe Ile His Lys Ile Lys Gln
121 20 25 30
122
123 Ile Phe Thr His Arg
124 35
125
126
127 (2) INFORMATION FOR SEQ ID NO:4:
128
129 (i) SEQUENCE CHARACTERISTICS:
130 (A) LENGTH: 186 base pairs
131 (B) TYPE: nucleic acid
132 (C) STRANDEDNESS: single
133 (D) TOPOLOGY: linear
134
135 (ii) MOLECULE TYPE: DNA (genomic)
136
137
138 (ix) FEATURE:
139 (A) NAME/KEY: CDS
140 (B) LOCATION: 1..186
141
142
143 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
144
145 ATG GAA AAG TTT ATT GAA TTA TCT TTA AAA GAA GTA ACA GCA ATT ACA 48
146 Met Glu Lys Phe Ile Glu Leu Ser Leu Lys Glu Val Thr Ala Ile Thr
147 1 5 10 15
148
149 GGT GGA AAA TAT TAT GGT AAC GGT GTA CAC TGT GGA AAA CAT TCA TGT 96
150 Gly Gly Lys Tyr Tyr Gly Asn Gly Val His Cys Gly Lys His Ser Cys
151 20 25 30
152

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/068,507ADATE: 02/18/1999
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INPUT SET: S30728.raw

153 ACC GTA GAC TGG GGA ACA GCT ATT GGA AAT ATC GGA AAT AAT GCA GCT 144
154 Thr Val Asp Trp Gly Thr Ala Ile Gly Asn Ile Gly Asn Asn Ala Ala
155 35 40 45
156
157 GCA AAC TGG GCC ACA GGC GGA AAC GCT GGC TGG AAT AAA TAA 186
158 Ala Asn Trp Ala Thr Gly Gly Asn Ala Gly Trp Asn Lys *
159 50 55 60
160
161

162 (2) INFORMATION FOR SEQ ID NO:5:

163
164 (i) SEQUENCE CHARACTERISTICS:
165 (A) LENGTH: 61 amino acids
166 (B) TYPE: amino acid
167 (D) TOPOLOGY: linear
168

169 (ii) MOLECULE TYPE: peptide

170
171 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

172
173 Met Glu Lys Phe Ile Glu Leu Ser Leu Lys Glu Val Thr Ala Ile Thr
174 1 5 10 15
175
176 Gly Gly Lys Tyr Tyr Gly Asn Gly Val His Cys Gly Lys His Ser Cys
177 20 25 30
178
179 Thr Val Asp Trp Gly Thr Ala Ile Gly Asn Ile Gly Asn Asn Ala Ala
180 35 40 45
181
182 Ala Asn Trp Ala Thr Gly Gly Asn Ala Gly Trp Asn Lys
183 50 55 60
184
185

186 (2) INFORMATION FOR SEQ ID NO:6:

187
188 (i) SEQUENCE CHARACTERISTICS:
189 (A) LENGTH: 82 base pairs
190 (B) TYPE: nucleic acid
191 (C) STRANDEDNESS: single
192 (D) TOPOLOGY: linear
193

194 (ii) MOLECULE TYPE: other nucleic acid
195 (A) DESCRIPTION: /desc = "Promoter"
196
197

198 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

199
200 GAGTTCTTAA CGTTAATCCG AAAAAAACTA ACGTTAATAT TAAAAAATAA GATCCGCTTG 60
201
202 TGAATTATGT ATAATTTGAT TN 82
203
204

205 (2) INFORMATION FOR SEQ ID NO:7:

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/068,507ADATE: 02/18/1999
TIME: 15:34:23

INPUT SET: S30728.raw

206
207 (i) SEQUENCE CHARACTERISTICS:
208 (A) LENGTH: 81 base pairs
209 (B) TYPE: nucleic acid
210 (C) STRANDEDNESS: single
211 (D) TOPOLOGY: linear
212
213 (ii) MOLECULE TYPE: other nucleic acid
214 (A) DESCRIPTION: /desc = "Promoter"
215
216
217 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
218
219 CGCATATTAA CGTTTAACCG ATAAAGTTGA ACGTTAATAT TTTTTTTGCG CAGAAATGGT 60
220
221 AAATTGAAGC ATAATAGTCT N 81
222
223
224 (2) INFORMATION FOR SEQ ID NO:8:
225
226 (i) SEQUENCE CHARACTERISTICS:
227 (A) LENGTH: 82 base pairs
228 (B) TYPE: nucleic acid
229 (C) STRANDEDNESS: single
230 (D) TOPOLOGY: linear
231
232 (ii) MOLECULE TYPE: other nucleic acid
233 (A) DESCRIPTION: /desc = "Promoter"
234
235
236 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
237
238 GCAGCATTAA CGTTAATTTT GATAAACGTA ACGTTAATGG ATAATCATCC TGTTTACAAA 60
239
240 TAGTGTATGA CATAATTAAG TN 82
241
242
243 (2) INFORMATION FOR SEQ ID NO:9:
244
245 (i) SEQUENCE CHARACTERISTICS:
246 (A) LENGTH: 81 base pairs
247 (B) TYPE: nucleic acid
248 (C) STRANDEDNESS: single
249 (D) TOPOLOGY: linear
250
25

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/068,507A

DATE: 02/18/1999
TIME: 15:34:24

INPUT SET: S30728.raw

Line

Error

Original Text

Slobodyanich

1652 RUSH

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/068,507A

DATE: 02/18/1999
TIME: 13:50:38

INPUT SET: S30728.raw

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Information Section and up to the first 5 pages.

SEQUENCE LISTING

Does Not Comply
Corrected Diskette Needed

- 1
2
3 (1) General Information:
4
5 (i) APPLICANT: EIJSINK, VINCENT G.H.
6 BRURBERG, MAY B.
7 NES, INGOLF F.
8
9 (ii) TITLE OF INVENTION: EXPRESSION SYSTEM IN MICROORGANISM AND
10 ITS USE FOR EXPRESSING HETEROLOGOUS AND HOMOLOGOUS
11 PROTEINS
12
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17 (B) STREET: PO BOX 747
18 (C) CITY: FALLS CHURCH
19 (D) STATE: VA
20 (E) COUNTRY: USA
21 (F) ZIP: 22040-0747
22
23 (v) COMPUTER READABLE FORM:
24 (A) MEDIUM TYPE: Floppy disk
25 (B) COMPUTER: IBM PC compatible
26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
27 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
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30 (A) APPLICATION NUMBER:
31 (B) FILING DATE:
32 (C) CLASSIFICATION:
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35 (A) NAME: MURPHY JR., GERLAD M.
36 (B) REGISTRATION NUMBER: 28,977
37 (C) REFERENCE/DOCKET NUMBER: 1380-0122P
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39 (ix) TELECOMMUNICATION INFORMATION:
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41 (B) TELEFAX: 703-205-8050
42
43
44 (2) INFORMATION FOR SEQ ID NO:1:
45
46 (i) SEQUENCE CHARACTERISTICS:

(2) INFORMATION FOR SEQ ID NO:3:

- (i) SEQUENCE CHARACTERISTICS: 37
(A) LENGTH: 38 amino acids
(B) TYPE: amino acid
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

Met Met Ile Phe Lys Lys Leu Ser Glu Lys Glu Leu Gln Lys Ile Asn
1 5 10 15
Gly Gly Met Ala Gly Asn Ser Ser Asn Phe Ile His Lys Ile Lys Gln
20 25 30
Ile Phe Thr His Arg *
35

(2) INFORMATION FOR SEQ ID NO:4:

- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 186 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(ix) FEATURE:

- (A) NAME/KEY: CDS
(B) LOCATION: 1..186

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

ATG GAA AAG TTT ATT GAA TTA TCT TTA AAA GAA GTA ACA GCA ATT ACA 48
Met Glu Lys Phe Ile Glu Leu Ser Leu Lys Glu Val Thr Ala Ile Thr
1 5 10 15
GGT GGA AAA TAT TAT GGT AAC GGT GTA CAC TGT GGA AAA CAT TCA TGT 96
Gly Gly Lys Tyr Tyr Gly Asn Gly Val His Cys Gly Lys His Ser Cys
20 25 30
ACC GTA GAC TGG GGA ACA GCT ATT GGA AAT ATC GGA AAT AAT GCA GCT 144
Thr Val Asp Trp Gly Thr Ala Ile Gly Asn Ile Gly Asn Asn Ala Ala
35 40 45
GCA AAC TGG GCC ACA GGC GGA AAC GCT GGC TGG AAT AAA TAA 186
Ala Asn Trp Ala Thr Gly Gly Asn Ala Gly Trp Asn Lys *
50 55 60

(2) INFORMATION FOR SEQ ID NO:5:

- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 62 amino acids

61

(B) TYPE: amino acid
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

Met	Glu	Lys	Phe	Ile	Glu	Leu	Ser	Leu	Lys	Glu	Val	Thr	Ala	Ile	Thr
1				5					10					15	
Gly	Gly	Lys	Tyr	Tyr	Gly	Asn	Gly	Val	His	Cys	Gly	Lys	His	Ser	Cys
			20					25					30		
Thr	Val	Asp	Trp	Gly	Thr	Ala	Ile	Gly	Asn	Ile	Gly	Asn	Asn	Ala	Ala
		35					40					45			
Ala	Asn	Trp	Ala	Thr	Gly	Gly	Asn	Ala	Gly	Trp	Asn	Lys			
50						55					60				

(*)